	Type	L #	Hits	Search Text	DBs	Time Stamp
1	BRS	L1	319467	(waste or spillage or spill or oil or toxic or nuclear or harmful or harmfully or hazardous or hazard) near5 (treatment or treat or treating or treated or cleaner or clean or cleaning or dispose or disposing or disposal or disposed or recycle or recycling or recycled or recovered or recover or recovering or recovery)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB; USOCR	2002/08/31 16:37
2	BRS	L2	45741	1 near5 (procedure or process or step or instructing or instruction or information or data)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB; USOCR	2002/08/31 16:38
3	BRS	L3	44980	(waste or spillage or spill or oil or toxic or nuclear or harmful or harmfully or hazardous or hazard) near5 (detect or detected or detection or detecting or sensed or sense or sensing or sensor or reader or reading or read)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB; USOCR	2002/08/31 16:39
4	BRS	L4	1231	2 and 3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB; USOCR	2002/08/31 16:40
5	BRS	L5	359	2 near5 (selecting or selection or select or selected or picking or picked or pick or choosing or choose or chosen)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB; USOCR	2002/08/31 16:40

	Type	L #	Hits	Search Text	DBs	Time Stamp
6	BRS	L6	27	4 and 5 Scanned T; Ab; Kwic all	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB; USOCR	2002/08/31 16:41

	Document ID	Issue Date	Inventor	Current OR	Current XRef	Pages
1	US 6226617 B	20010501	HAYASHI, M et al.			52
2	WO 9721501 A1	19970619				88
3	US 5712990 A	19980127	Henderson, Don J.	705/28	705/29	53
4	US 5664112 A	19970902	Sturgeon, Douglas H. et al.	705/28	700/95	47
5	US 4839061 A	19890613	Manchak Jr., Frank et al.	210/743	210/170; 210/241; 210/747; 37/322; 37/333; 37/335; 405/128.25; 405/128.75; 405/264; 588/252	8

L6 results

PAT-NO: JP409103761A
DOCUMENT-IDENTIFIER: JP 09103761 A
TITLE: TREATMENT OF PRINTED CIRCUIT BOARD MOUNTED WITH ELECTRONIC PARTS AND APPARATUS THEREFOR
PUBN-DATE: April 22, 1997
INVENTOR-INFORMATION:
NAME
KANEKO, TOMOKO
YAMADA, RYOKICHI
KOSEKI, YASUO
ARATO, TOSHIAKI
INT-CL (IPC): B09B005/00, B07C005/00

ABSTRACT:

PROBLEM TO BE SOLVED: To separate circuit boards and parts, to recycle both and to make the circuit boards and the parts non-polluting by accumulating the information on the method for separating the mounted electronic parts and the circuit boards relating thereto and a method for recycling the parts and making the parts non-polluting into a data base, inputting the identification information of the electronic parts and retrieving and outputting the required information from this data base in accordance with this information.

SOLUTION: The image information on the circuit boards mounted with the parts taken in by a camera 6 is inputted to an image analyzing means 5 and the results thereof are inputted to an image processing means 2. A retrieval means 4 reads in retrieval information and specifies the kinds of the parts by collating the image analysis information and the retrieval information. The information on the parts accumulated in the data base 3 is successively inputted to the information processing means 2 after the kinds of the parts are specified. When the information on the sepn. of the parts and the circuit boards is first inputted, a control signal is outputted to a separating and transporting device 7 and the parts are separated from the circuit boards. Next, the classification information on the material, the method for recycling the materials, the method for making the materials non-polluting and the like is read in and a control signal is outputted to the separating and transporting device 7 in accordance therewith, by which the classifying and recovering work is controlled.

PAT-NO: JP410277526A
DOCUMENT-IDENTIFIER: JP 10277526 A
TITLE: PRODUCT AND INFORMATION MEMBER AND PRODUCT DISCARDING TREATMENT METHOD
PUBN-DATE: October 20, 1998
INVENTOR-INFORMATION:
NAME
SOMEYA, RYUICHI
SANO, KENJI
ARAI, IKUYA
TANIDE, HIDEO
KABUTO, NOBUAKI
INT-CL (IPC): B09B005/00

ABSTRACT:

PROBLEM TO BE SOLVED: To automatically carry out waste treatment by attaching an information member, which stores information of waste treatment and provides output of the stored information in a physically non-contact means, to a product.

SOLUTION: A display apparatus 5 as an example of a product is constituted of an information member 1, a driving means 2 constituted of electric circuit parts, a display means 3 such as a Braun tube, a liquid crystal panel, and a box body 4 made of a material such as plastic, wood, etc. In this case, as the information member 1, a wireless card which can transmit stored information in a physically non-contact manner (without being connected with a wire and a connector) is used and the information effective for waste treatment, fecycling treatment such as the information of the constituent materials, component information, information of decomposing means of the driving means 2, the display means 3, and the box body 4 is stored in the information member 1. The various types of information transmitted out of the information member 1 in the waste treatment process is received by a reception means and based on the received information, decomposition and reformation are carried out in the next process.

PAT-NO: JP410328645A
DOCUMENT-IDENTIFIER: JP 10328645 A
TITLE: STORAGE TYPE PRODUCT DISMANTLING INFORMATION COLLECTING METHOD
PUBN-DATE: December 15, 1998
INVENTOR-INFORMATION:
NAME
SHINODA, KEIJI
SAKITANI, HIDEYUKI
INT-CL (IPC): B09B005/00, G06F017/60

ABSTRACT:

PROBLEM TO BE SOLVED: To improve the utilization rate of industrial product wastes of multiple kinds, by retrieving a product dismantling information of products by utilizing the model names of the products for a product dismantling information register means and outputting the retrieved dismantling information to a product decomposition process.

SOLUTION: The retrieval of a product dismantling information, in which the model names of products introduced into a plant inputted from a data base input and output section 1a by a product dismantling information retrieval means 1 are used as key words, is carried out by a product dismantling information keeping means 1d working as a data file for keeping a dismantling information, a material constituting information and the like of industrial products like electric appliances, automobiles and the like in compliance with the model names of the products. The judgment of retrieval result is performed by the product dismantling retrieval means 1b, and in the case of extracting the product dismantling information, the product dismantling result is transferred to the data base input and output section 1a, and the product dismantling information is outputted to a product dismantling process of a waste disposal plant.

DERWENT-ACC-NO: 2002-005815
DERWENT-WEEK: 200201

TITLE: Dismantling factory assistance device for recycling office automation apparatus, registers information about individual components based on log information to set dismantling plan for dismantling components
PRIORITY-DATA: 2000JP-0097902 (March 30, 2000)
PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 2001282337 A	October 12, 2001	N/A	007	G05B 019/418

INT-CL (IPC): G05B019/418

ABSTRACTED-PUB-NO: JP2001282337A
BASIC-ABSTRACT:

NOVELTY - An input unit inputs log information of an apparatus arrived at the factory. A controller registers information corresponding to the individual components of the apparatus, based on the input log information . A dismantling plan for dismantling the defective and non-defective components from the apparatus, is set based on the registration.

USE - For recycling office automation (OA) apparatus, domestic electrical appliances.

ADVANTAGE - Since the dismantling plan of the components is setup based on the information about the components, productivity is improved, enabling efficient recycling of the apparatus.

DESCRIPTION OF DRAWING(S) - The figure shows the layout diagram of the dismantling factory assistance device.

DERWENT-ACC-NO: 2003-051739
DERWENT-WEEK: 200305

TITLE: Product collection method in office automation apparatus, involves transporting product based on input recyclable component information for recovering and recycling specific component in product
PRIORITY-DATA: 2001JP-0083755 (March 22, 2001)
PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 2002288311 A	October 4, 2002	N/A	008	G06F 017/60

INT-CL (IPC): B09B005/00, G06F017/60
ABSTRACTED-PUB-NO: JP2002288311A

BASIC-ABSTRACT:

NOVELTY - The product information including model number is input through a network, based on which the recyclable component information is provided for a product (102). The product is transported based on the component information and the specific component in the product is recovered for recycling .

USE - For office automation (OA) apparatus.

ADVANTAGE - The information on the product collected from the customer is grasped easily and quickly.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the product collection system. (Drawing includes non-English language text).
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